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LeaderBoard & Prev Day Solution

DAILY CHALLENGE

ProgramID- 6284



SkillRack

Check if Vertical Zig-Zag or Not

The program must accept an integer matrix with size **NxN** as input. The program must print "**Yes**" if the given matrix is vertically zig-zag. Else the program must print "**No**" as the output.

Note: The matrix must be filled with first N*N natural numbers starting from 1 in vertical zig-zag fashion.

Boundary Condition(s):

1 <= N <= 50

0 <= Matrix Elements <= 999

Input Format:

The first line contains the value of **N**.

The next **N** lines contain **N** integers separated by space(s).

Output Format:

The first line contains either "**Yes**" or "**No**".

Example Input/Output 1:

Input:

```
5
1 10 11 20 21
2 9 12 19 22
3 8 13 18 23
4 7 14 17 24
5 6 15 16 25
```

Output:
Yes

Example Input/Output 2:

Input:
3
1 2 3
4 5 6
7 8 9

Output:
No

Max Execution Time Limit: 5000 millisecs



Ambiance



Java (12.0)



Reset

```
1 import java.util.*;
2 public class Hello {
3
4     public static void main(String[] args) {
5         Scanner sc=new Scanner(System.in);
6         int n=sc.nextInt();
7         int[][] arr=new int[n][n];
8         for(int i=0;i<n;i++){
9             for(int j=0;j<n;j++){
10                 arr[i][j]=sc.nextInt();
11
12
13             }
14         }
15         if(arr[0][0]!=1){
16             System.out.print("No");
17             System.exit(0);
18         }
19         int k=2;
20         int c=0;
21         for(int i=0;i<n;i++){
22
23             for(int j=0;j<n;j++){
24
25                 if(j+1==n){
26
27                     }
28                 else{
29                     if((j+1)%2==1){
30                         if(n*k==arr[0][j+1]){
```

```

31         c++;
32         k+=2;
33
34     }
35
36 }
37 else if((j+1)%2==0 && i==0){
38     if(arr[0][j]+1==arr[0][j+1]){
39         c++;
40     }
41 }
42 }
43 if(i+1==n){
44
45 }
46 else{
47     if( (j+1)%2==1 && arr[i][j]+1==arr[i+1][j]){
48         c++;
49     }
50     else if((j+1)%2==0 && arr[i][j]-1==arr[i+1][j]
51         c++;
52     }
53 }
54
55
56 }
57 }
58 if(c==(n*(n-1))+(n-1)){
59     System.out.print("Yes");
60 }
61 else{
62     System.out.print("No");
63 }
64
65 // System.out.print(c+" ");
66
67
68 }
69 }

```

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Code did not pass the execution



You have used 2 reveals out of 2 in the past 7 Days.

1 Private (Hidden) Test Cases Failed.

5 Passed

1 Failed

Save

Run

☐ Run with a custom test case (Input/Output)